

## Product datasheet for **RG216867**

### **ANKLE2 (NM\_015114) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ANKLE2 (NM_015114) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKLE2
Synonyms:	KIAA0692; Lem4; LEMD7; MCPH16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG216867 representing NM\_015114  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

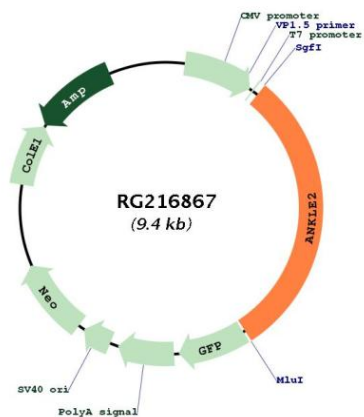
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 GGCTGGGCGTCTGGCGCTACAGCCCGTGCACGGGAGCCAGCTCCGAGGATGGCGCGCTGGCTG  
 AGCTTGGCGCCCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_015114.3</a>
<b>RefSeq Size:</b>	4491 bp
<b>RefSeq ORF:</b>	2817 bp
<b>Locus ID:</b>	23141
<b>UniProt ID:</b>	<a href="#">Q86XL3</a>
<b>Cytogenetics:</b>	12q24.33
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	This gene encodes a member of the LEM family of inner nuclear membrane proteins. The encoded protein functions as a mitotic regulator through postmitotic formation of the nuclear envelope. Mutations in this gene cause morphology defects in the nuclear envelope and BAF hyperphosphorylation. [provided by RefSeq, Mar 2014]

Product images:



Circular map for RG216867